10/10/83
A2575-1

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 **For Week Ended** SEPTEMBER 30, 1983 **NO.** 39

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 09/30/83	Last Week Ending: 09/23/83	Last Year Week Ending: 10/01/82	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units*	12,610	12,814	12,485	- 204	+ 125
Operable capacity	16,294	16,294	17,382	0	- 1,088
Percent operated	77.4	78.6	71.8		
Motor Gasoline					
Total motor gasoline production	6,580	6,613	6,489	- 33	+ 91
Finished leaded motor gasoline production	2,628	3,019	N/A	- 391	N/A
Finished unleaded motor gasoline production	3,952	3,594	N/A	+ 358	N/A
Total motor gasoline stocks	231,344	230,601	236,705	+ 743	- 5,361
Finished leaded motor gasoline stocks	97,818	98,293	N/A	- 475	N/A
Finished unleaded motor gasoline stocks	93,628	92,787	99,016	+ 841	- 5,388
Distillate Fuel Oil					
Distillate fuel oil production	2,707	2,735	2,631	- 28	+ 76
Distillate fuel oil stocks	153,837	154,508	163,088	- 671	- 9,251
Residual Fuel Oil					
Residual fuel oil production	723	776	1,144	- 53	- 421
Residual fuel oil stocks	46,790	47,533	59,336	- 743	- 12,546
Imports					
Crude oil imports	3,873	4,370	3,498	- 497	+ 375
Product imports	1,676	1,953	1,501	- 277	+ 175
Crude Oil Stocks					
Crude oil stocks	347,528	347,773	350,265	- 245	- 2,737

*Scheduled and unscheduled shutdowns caused a decrease of 147,000 bbl. per day in the West Coast District (District 5).

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 457-7147.

NA-Not Available

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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,212	1,076	1,121	1,229	91.2
Appal. No. 1	84	79	79	177	44.6
DISTRICT 1 TOTAL	1,296	1,155	1,200	1,406	85.3
Appal. No. 2	64	62	63	66	95.5
Ind., Ill., Ky.	2,041	1,928	1,943	2,345	82.9
Minn., Wis., Daks.	192	183	192	296	64.9
Okla., Kans., Mo.	654	607	628	827	75.9
DISTRICT 2 TOTAL	2,951	2,780	2,826	3,534	80.0
Inland Texas	517	484	499	585	85.3
Texas Gulf Coast	3,410	3,083	3,167	3,907	81.1
La. Gulf Coast	2,266●	2,101●	2,118●	2,875	73.7●
N. La. and Ark.	177	175	176	286	61.5
New Mexico	97	78	80	105	76.2
DISTRICT 3 TOTAL	6,467●	5,921●	6,040●	7,758	77.9●
DISTRICT 4 TOTAL	438	468	475	536	88.6
DISTRICT 5 TOTAL	2,016	2,011	2,069	3,060	67.6
TOTAL U.S.	13,168	12,335	12,610	16,294	77.4
TOTAL U.S. Weeks Ended:					
SEP. 23, 1983	13,510●	12,401●	12,814●	16,294	78.6●
OCT. 1, 1982	13,159	12,112	12,485	17,382	71.8
DISTRICTS 1-4 Weeks Ended:					
SEP. 30, 1983	11,152	10,324	10,541	13,234	79.7
SEP. 23, 1983	11,347●	10,266●	10,598●	13,234	80.1●
OCT. 1, 1982	11,064	10,016	10,378	14,290	72.6

● *SEE REVISIONS ON PAGE 7*

API WEEKLY STATISTICAL BULLETIN
Week Ended *SEPTEMBER* 30, 1983

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	549	141	408	4	23	233	80
Appal. No. 1	26	11	15	2	--	19	2
DISTRICT 1 TOTAL	575	152	423	6	23	252	82
Appal. No. 2	36	14	22	1	--	16	2
Ind., Ill., Ky.	1,153	441	712	17	97	373	39
Minn., Wis., Daks.	102	28	74	3	11	41	5
Okla., Kans., Mo.	416	235	181	1	27	172	8
DISTRICT 2 TOTAL	1,707	718	989	22	135	602	54
Inland Texas	296	162	134	24	12	101	19
Texas Gulf Coast	1,605	564	1,041	45	218	718	233
La. Gulf Coast	1,096●	385●	711	14	183	469	59
N. La. and Ark.	50	22	28	5	--	52	9
New Mexico	38	22	16	17	1	24	2
DISTRICT 3 TOTAL	3,085●	1,155●	1,930	105	414	1,364	322
DISTRICT 4 TOTAL	214	130	84	11	28	121	6
DISTRICT 5 TOTAL	999	473	526	38	220	368	259
TOTAL U.S.	6,580	2,628	3,952	182	820	2,707	723
TOTAL U.S. Weeks Ended:							
SEP. 23, 1983	6,613●	3,019●	3,594	194	874	2,735	776
OCT. 1, 1982	6,489	*N/A*	*N/A*	238	702	2,631	1,144
DISTRICTS 1-4 Weeks Ended:							
SEP. 30, 1983	5,581	2,155	3,426	144	600	2,339	464
SEP. 23, 1983	5,535●	2,572●	2,963	159	622	2,383	481
OCT. 1, 1982	5,559	*N/A*	*N/A*	177	511	2,298	752

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.
[2]Includes Grade No. 4 fuel oil.

NA-Not Available.

● *SEE REVISIONS ON PAGE 7*

API WEEKLY STATISTICAL BULLETIN
Week Ended *SEPTEMBER 30, 1983*

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline			Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	6,198●	3,357●	2,841	--	88	607	13,195	2,552	--
Central Atlantic	30,556●	13,227●	12,027	5,302	257	4,326●	38,810	15,705●	15,355
Lower Atlantic	28,361●	15,090●	12,953	318	145	3,773	14,230●	3,779	538
DISTRICT 1 TOTAL	65,115●	31,674●	27,821	5,620	490	8,706●	66,235●	22,036●	15,893
DISTRICT 2 TOTAL	65,577●	29,967●	28,731	6,879	1,675	7,768	39,427	3,359	16,637
DISTRICT 3 TOTAL	64,621●	23,325●	23,977●	17,319	2,417	11,502	34,265●	13,083●	55,107
DISTRICT 4 TOTAL	6,334●	3,144●	1,785	1,405	312	746	2,855	459	2,454
DISTRICT 5 TOTAL	29,697●	9,708●	11,314	8,675	1,707	5,921	11,055	7,853	23,857
TOTAL U.S.	231,344	97,818	93,628	39,898	6,601	34,643	153,837	46,790	113,948
TOTAL U.S.									
Weeks Ended:									
SEP. 23, 1983	230,601●	98,293●	92,787●	39,521	6,632	34,324●	154,508●	47,533●	113,647
OCT. 1, 1982	2 6,705	*N/A*	99,016	*N/A*	6,174	33,699	163,088	59,336	116,835
DISTRICTS 1-4									
Weeks Ended:									
SEP. 30, 1983	201,647	88,110	82,314	31,223	4,894	28,722	142,782	38,937	90,091
SEP. 23, 1983	200,823●	88,183●	81,221●	31,419	4,885	28,268●	143,158●	38,816●	89,731
OCT. 1, 1982	208,872	*N/A*	88,578	*N/A*	4,810	27,343	152,601	49,439	91,605

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

● *SEE REVISIONS ON PAGE 7*

NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended SEPTEMBER 30, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy APR 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	Daily Average				
DISTRICTS 1-4 TOTAL					
SEP. 30, 1983	5,850.0	5,828.0	3,777	227	264,192
SEP. 23, 1983	5,850.0	--	4,146●	292	263,898●
SEP. 16, 1983	5,850.0	--	3,889	282	266,386
SEP. 9, 1983	5,850.0	--	3,858	221	263,559
DISTRICT 5 TOTAL					
SEP. 30, 1983	2,860.0	2,787.0	96	8	83,336 *
SEP. 23, 1983	2,860.0	--	224	7	83,875●
SEP. 16, 1983	2,860.0	--	129	--	82,998
SEP. 9, 1983	2,860.0	--	497	8	85,422
TOTAL U.S.					
SEP. 30, 1983	8,710.0	8,615.0	3,873	235	347,528 *
SEP. 23, 1983	8,710.0	--	4,370●	299	347,773●
SEP. 16, 1983	8,710.0	--	4,018	282	349,384
SEP. 9, 1983	8,710.0	--	4,355	229	348,981
OCT. 1, 1982	8,706.1	/A --	3,498	183	350,265

*INCLUDES 28,204 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER. ●

/A DOE ACTUAL FOR SEPTEMBER 1982.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1–4	District 5	Total U.S.
Weeks Ended:							
SEP. 30, 1983	14,869	76,100	160,136	13,087	264,192	83,336 *	347,528 *
SEP. 23, 1983	15,090	74,841	160,898●	13,069	263,898●	83,875●	347,773●
OCT. 1, 1982	18,844	72,012	153,224	11,907	255,987	94,278	350,265

[1]See definitional notes, Page 6.

● SEE REVISIONS ON PAGE 7

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	19	19	--	--	--	40	--	3	--	--	62
Central Atlantic	193	99	94	--	8●	126●	376	--	85	43	831●
Lower Atlantic	49	28	21	--	--	15	231	--	--	--	295
DISTRICT 1 TOTAL											
SEP. 30, 1983	261	146	115	--	8	181	607	3	85	43	1,188
SEP. 23, 1983	229	89	140	--	42●	204●	662	6	150	143	1,436●
SEP. 16, 1983	160	50	110	--	57	189	570	7	71	124	1,178
SEP. 9, 1983	167	80	87	--	34	186	654	11	35	95	1,182
DISTRICTS 2–4 TOTAL											
SEP. 30, 1983	34	34	--	--	10	3	27	96	99	55	324
SEP. 23, 1983	2	2	--	--	5	4	64	103	200	17	395
SEP. 16, 1983	4	4	--	--	32	5	15	147	216	12	431
SEP. 9, 1983	--	--	--	--	4	7	--	158	165	31	365
DISTRICT 5 TOTAL											
SEP. 30, 1983	43	22	21	--	3	5	54	14	8	37	164
SEP. 23, 1983	42	34	8	--	3	4	55	8	--	10	122
SEP. 16, 1983	26	18	8	--	3	5	26	11	53	9	133
SEP. 9, 1983	24	16	8	--	--	5	26	18	--	8	81
TOTAL U.S.	338	202	136	--	21	189	688	113	192	135	1,676
TOTAL U.S. Weeks Ended:											
SEP. 23, 1983	273	125	148	--	50●	212●	781	117	350	170	1,953●
SEP. 16, 1983	190	72	118	--	92	199	611	165	340	145	1,742
SEP. 9, 1983	191	96	95	--	38	198	680	187	200	134	1,628
OCT. 1, 1982	182	N/A	62	6	11	78	889	180	135	15	1,501

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

● SEE REVISIONS ON PAGE 7

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

9/23/83	PAGE 1	TOTAL REFINERY INPUT	LA. GULF COAST	2,134
			DISTRICT 3 TOTAL	6,495
			TOTAL U.S.	13,510
			DISTRICTS 1-4	11,347
		CRUDE OIL RUNS	LA. GULF COAST	2,018
			DISTRICT 3 TOTAL	5,805
			TOTAL U.S.	12,401
			DISTRICTS 1-4	10,266
		INPUT TO CRUDE OIL	LA. GULF COAST	2,050
			DISTRICT 3 TOTAL	5,957
			TOTAL U.S.	12,814
			DISTRICTS 1-4	10,598
		O/O OPERATED	LA. GULF COAST	71.3
			DISTRICT 3 TOTAL	76.8
			TOTAL U.S.	78.6
			DISTRICTS 1-4	80.1
	PAGE 2	TOTAL MGAS	LA. GULF COAST	1,033
			DISTRICT 3 TOTAL	2,848
			TOTAL U.S.	6,613
			DISTRICTS 1-4	5,535
		LEADED MGAS	LA. GULF COAST	433
			DISTRICT 3 TOTAL	1,254
			TOTAL U.S.	3,019
			DISTRICTS 1-4	2,572
	PAGE 3	TOTAL MGAS	NEW ENGLAND	6,753
			CENTRAL ATLANTIC	29,805
			LOWER ATLANTIC	28,679
			DISTRICT 1 TOTAL	65,237
			DISTRICT 2 TOTAL	65,679
			DISTRICT 3 TOTAL	64,191
			DISTRICT 4 TOTAL	5,716
			DISTRICT 5 TOTAL	29,778
			TOTAL U.S.	230,601
			DISTRICTS 1-4	200,823
		LEADED MGAS	NEW ENGLAND	3,645
			CENTRAL ATLANTIC	13,399
			LOWER ATLANTIC	14,870
			DISTRICT 1 TOTAL	31,914

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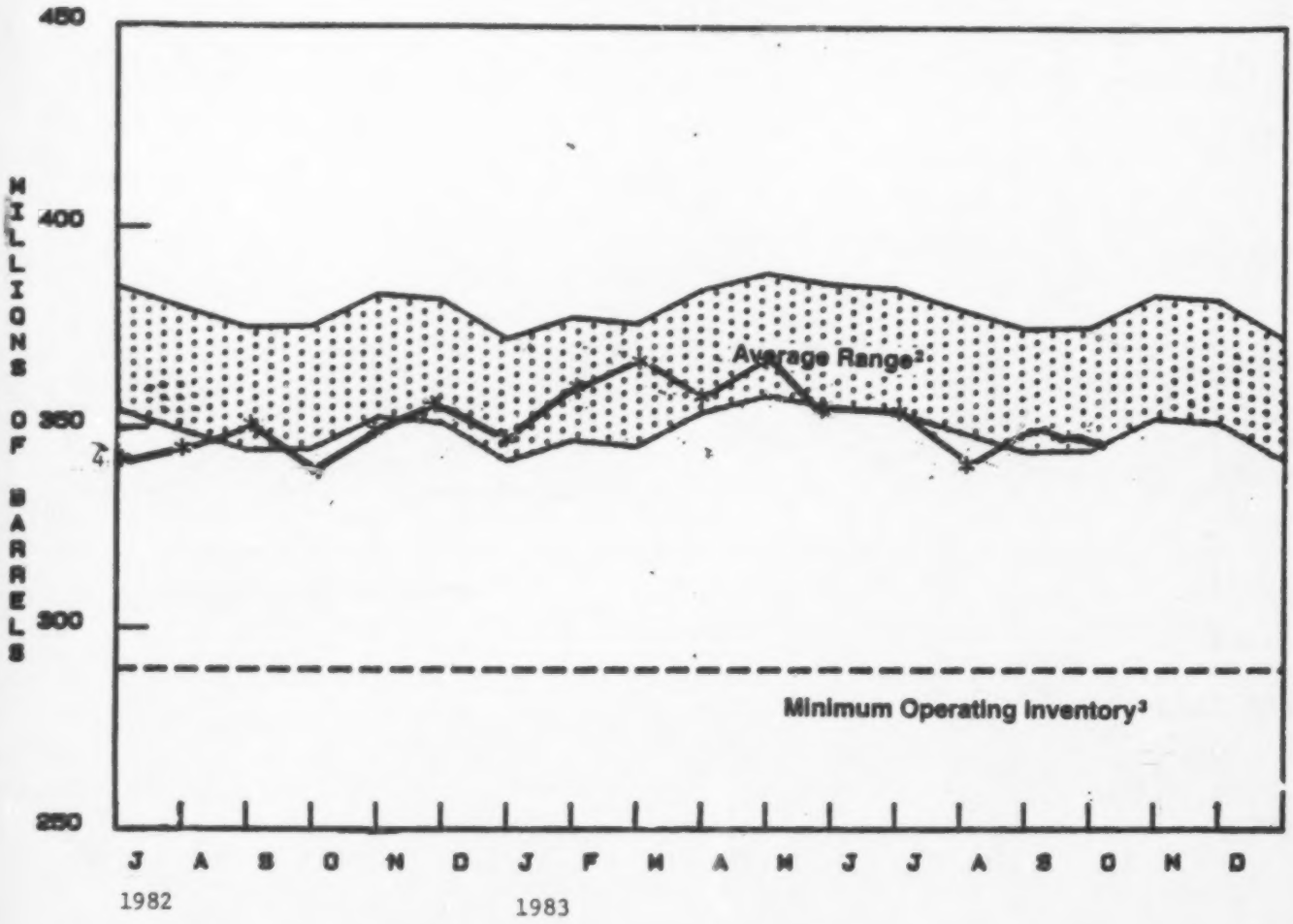
		DISTRICT 2 TOTAL	29,966
		DISTRICT 3 TOTAL	23.563
		DISTRICT 4 TOTAL	2,740
		DISTRICT 5 TOTAL	10,110
		TOTAL U.S.	98,293
		DISTRICTS 1-4	88,183
	UNLEADED MGAS	DISTRICT 3 TOTAL	21,688
		TOTAL U.S.	92,787
		DISTRICTS 1-4	81,221
	KEROSINE JET	CENTRAL ATLANTIC	4,054
		DISTRICT 1 TOTAL	8,553
		TOTAL U.S.	34,324
		DISTRICTS 1-4	28,268
	DISTILLATE FUEL	LOWER ATLANTIC	13,480
		DISTRICT 1 TOTAL	65,253
		DISTRICT 3 TOTAL	35,394
		TOTAL U.S.	154,508
		DISTRICTS 1-4	143,158
	RESIDUAL FUEL	CENTRAL ATLANTIC	15,610
		DISTRICT 1 TOTAL	21,648
		DISTRICT 3 TOTAL	13,248
		TOTAL U.S.	47,533
		DISTRICTS 1-4	38.816
PAGE 4 TOP	TOTAL CRUDE OIL IMPORTS	DISTRICTS 1-4 TOTAL	4,146
		TOTAL U.S.	4,370
	CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	263,898
		DISTRICT 5 TOTAL	83,875
		TOTAL U.S.	347,773
	ALASKAN CRUDE OIL	DISTRICT 5 TOTAL	28,524
PAGE 4 BOTTOM	TOTAL	PAD DISTRICT 3	160,898
	TOTAL	TOTAL PAD DISTRICTS 1-4	263,898
	TOTAL	PAD DISTRICT 5	83,875
	TOTAL	TOTAL U.S.	347,773
PAGE 5	KEROSINE JET	CENTRAL ATLANTIC	42
		DISTRICT 1 TOTAL	42
		TOTAL U.S.	50
	DISTILLATE (INC. NO. 4)	CENTRAL ATLANTIC	146

REVISIONS

	DISTRICT 1 TOTAL	204
	TOTAL U.S.	212
TOTAL	CENTRAL ATLANTIC	1,026
	DISTRICT 1 TOTAL	1,436
	TOTAL U.S.	1,953

Week ended September 30, 1983

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

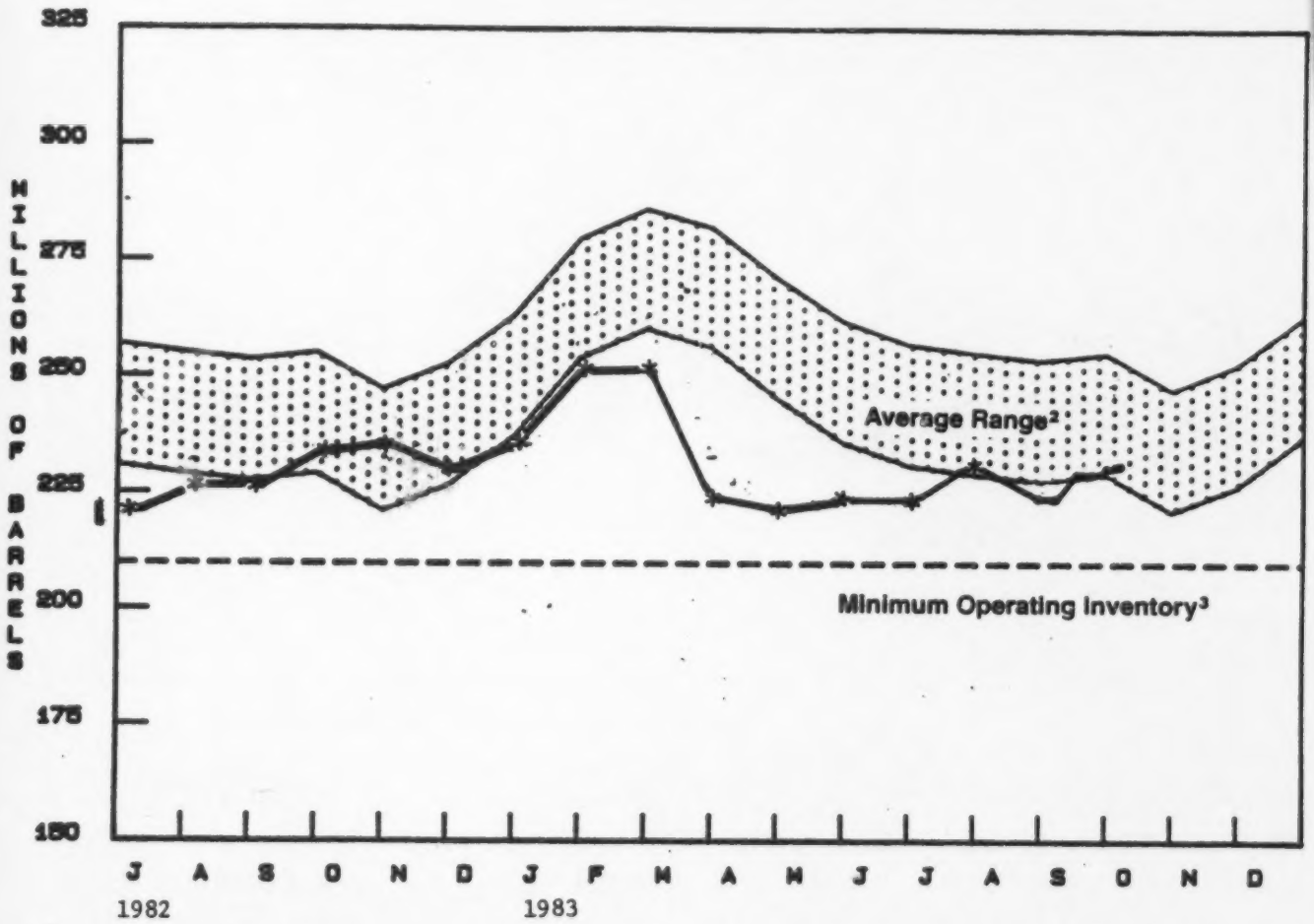
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week ended September 30, 1983

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

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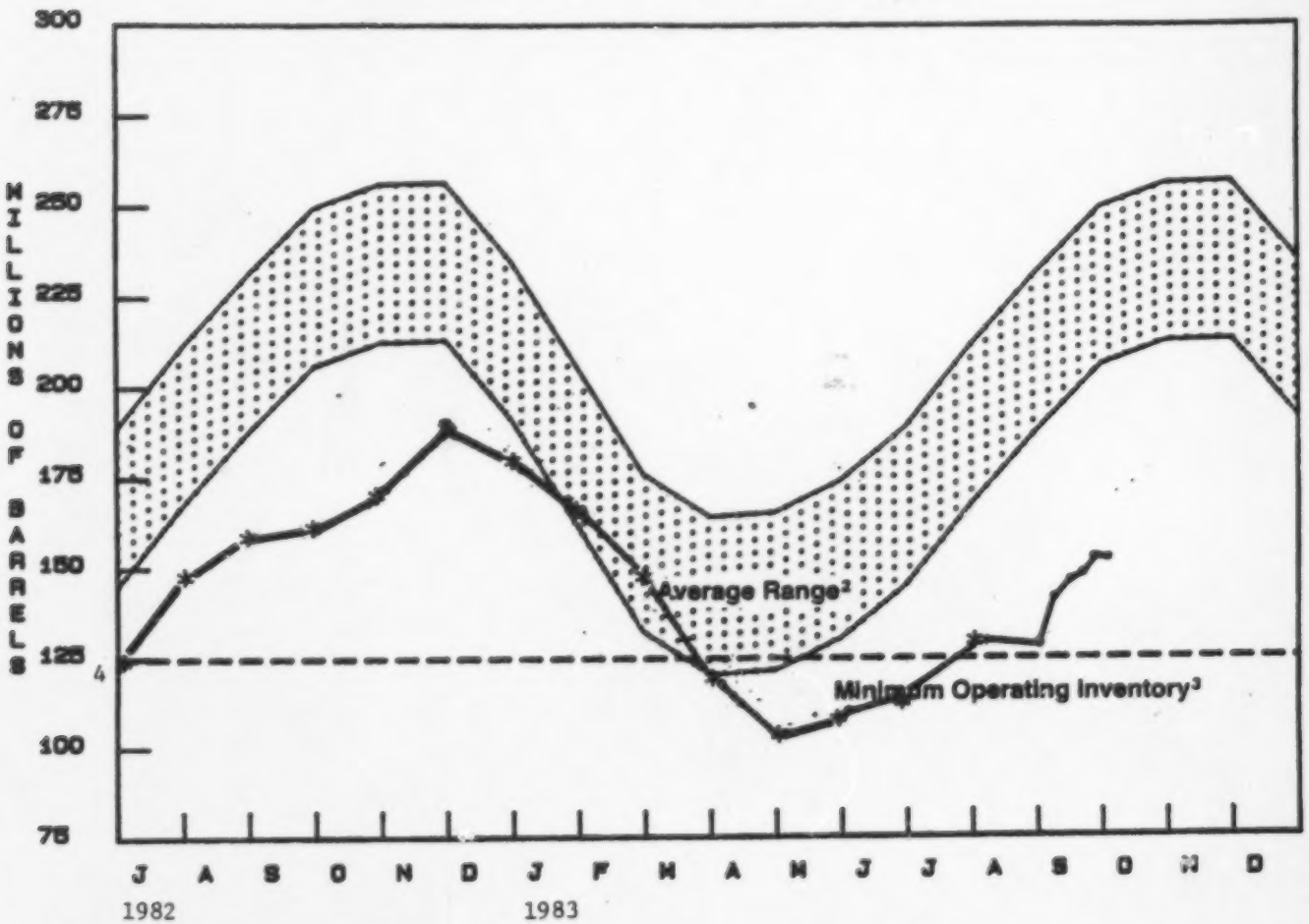
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week ended September 30, 1983

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[4]

[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

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